AEE/TDSD/SBR)/40/20-21
Dt. 08.01.2021

Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

Bill No 1st and PART (For Other Works) Date..... QM/F 33(B)

DASARAHALLI DIVISION T. DASARAHALLI DIVISION

Bill Received No Dated---------- Cash Book Voucher No dated----------

Scheduled Docket No Head of Account : P-3295 14TH FINANCE

Est cost: Rs 30.00 Lakhs

Name of work (as per sanctioned estimate) Job Code No:-014-19-000046

UGD Works and Sinking of Borewell, Laying of Pipeline in Ward No 14, Bagalagunte

Name of Contractor:-Sri R SHIVARAM, #4-13,AVALAMMA CHOULTRY LAYOUT, MAGADI ROAD, BANGALORE-23

Reference to Work Order No:EE/DD/WO/136/2020-21 Date-27-11-2020

Certified that the measurements were taken by me on 19/12/20 ....and recorded in Pages 415252-415255 of measurement Book No 4153 and that the work is satisfactorily executed.

Contractor. Officer in charge of work.

Certified that the measurements were taken by me on 19/12 .....and found correct.

The work is satisfactory executed. Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate usage on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub Division Officer

If Memorandum of payment

1) Total value of work done or supplies made as per account within. I st and part Bill → 6ff123f = ∞
2) Deduct amount to be held in reserve being-------- percent Rs.....
3) -do- Balance IT → 6ff12 = ∞
4) Deduct payments :
a) Amount of previous payment as in the office cash book voucher No----------Dated----------S.D.No---------- Lwe → 6ff12 = ∞
b) Payments cost store or other materials supplied. CSF → 6ff1 = ∞ (-)
Now made recovery of amount creditable to this / other work CGST → 6045f = ∞ 263109 :-∞
Amount paid on this bill cheque / cash SGST → 6045f = ∞
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the office cash Book Voucher No---- dated ----------less adjustments
7) Net amount due to or from contractor Net Amount → 6508128 :-∞
Unadjusted items
8) Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied

Contractor's Signature

Received Rs. (in words)
by cash and by adjustment of payment as per memorandum.
Witnesses : 1.
2
Dated signature of contractor

Paid by me by cheque No Dated
Cash Rs Dated

Initials of officer making payment

Audited and admitted for Rs. 6ff123f = ∞ (For office use)
Passed by Cheque for Rs. 6508128 = ∞
(Sixty Five Lakh Eight thousand One Hundred Twenty Eight Only)
Stamp
by adjustment Rs. 263109 = ∞

Executive Engineer.
B.B.M.P. Dasarahalli Division

Scanned by CamScanner

	Description of works	Unit	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
			Qty.	Cost	Qty	Rate	Cost	Qty	Cost	
1	Geophysical survey geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the hand pumps, MWS or PWSS by vertical electrical sounding by adopting venner or schlumbergers's method including reccomnaisance suevey of geological formation Geophysical investigation of existing ground Water in the vicinity. its quality , quality & acceptability of the users indicating the location of the site recommendeddepth of casing pipe required to seal the tope unconsolidated formation including an extra depth 1.0 metre in consolidated formation for aquire proposed to be tapped propable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour	Each	0.00	0.00	5.00	2026.65	10133.00	5.00	10133.00	
2	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.	RMtr	0.00	0.00	250.00	329.52	82380.00	250.00	82380.00	
3	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.	RMtr	0.00	0.00	250.00	431.37	107843.00	250.00	107843.00	
4	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.	RMtr	0.00	0.00	250.00	479.20	119800.00	250.00	119800.00	
5	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.	RMtr	0.00	0.00	250.00	506.12	126530.00	250.00	126530.00	
6	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.	RMtr	0.00	0.00	250.00	585.81	146453.00	250.00	146453.00	
7	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.	RMtr	0.00	0.00	250.00	690.54	172635.00	250.00	172635.00	
	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.	RMtr	0.00	0.00	250.00	669.74	167435.00	250.00	167435.00	

Scanned by CamScanner

9	Sinking of Borewell of 165 mm clear using Rig hydraulic rig of capacity 250 PSIG & above Dth/ CMT & above in all strata including boulder upto 25 m fixing of casing pipes, collars and stop with necessary cutting and chamfering including transportation of rig and supporting vehicles, screw charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.	RMtr	0.00	0.00	48.00	708.57	14011.00	48.00	14011.00
10	Supply of ISI Mark 165mm Nominal bore plain end steel Casing pipe grade of steel Fee 410 of wall thickness 5.4 mm thick confirming to IS 1387/1933 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7mtrs. Both ends threaded Confirming to IS 834/1985. One end fixed with a Socket Confirming to IS 4270:2001 and the other end with Screwed pipes . All pipes shall be reasonably free from defectes. The tube shall be reasonably straight should be with ISI marking. weighing 29.10kg/mtr.	Mtr	0.00	0.00	408.00	1385.28	565194.00	408.00	565194.00
11	Providing and Fixing 165mm dia PVC pipe and as per Specification and Direction	Each	0.00	0.00	90.00	1133.00	101970.00	90.00	101970.00
12	Providing 175 mm dia MS Collar	Each	0.00	0.00	40.00	156.82	6273.00	40.00	6273.00
13	Providing 175 mm dia MS Cap	Each	0.00	0.00	5.00	104.55	523.00	5.00	523.00
14	Supply and delivery at site brand new submersible pumpset suitable for borewell of 165mm dia and having the declared duty conditions as detailed below and satisfying performance Characteristics for pump and motor as declared by the bureau of indian stand. the pumpset should conform to IS : 8034-1989 (With all its latest amendments) and Should bear ISI Certification mark IS : 8034-1989 Sub mercible pumpset 20HP 40 stage Texmo/Taro or equalents Brands	No	0.00	0.00	5.00	89073.98	445370.00	5.00	445370.00
15	Providing and fixing of 50mm G.I pipe 'B' class heavy duty for erection of submersible pumpset galvanised tube 50mm supply ad delivary of ersuse heavy duty as per IS/239/1990	Mtrs	0.00	0.00	1475.00	459.91	678367.00	1475.00	678367.00
16	Supplying and Drawing 3 core Flat PVC Shalted Submersible Pump Cable Manufactured with Electrolytic Grade Copper with Flexible copper conductor to table 3 class 5 of IS 8130-1984 and Virgen PVC insulation and Sheeated Suitable for working Voltage Upto 1100 Volts	Mtr	0.00	0.00	2950.00	171.76	506692.00	2950.00	506692.00
17	Supplying and delivery at site brand new star / Essen / Lotus / Sun shines / Adharsh / GK Controls best indigenous make combined energy meter cum control panel board unit of size 1200x600x350mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for opration on 3ph, 50 hz, 380/440 volts, AC supply with spring loaded latch, locking device with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combined energy meter cum control panel board unit suitable for operation on 3ph, 50 hz, 380/440 volts AC supply shall be consists etc., complete the panel board shall be consist etc., complete the panel board shall be fabricated on single unit in the above componenets panel board for suitable pumpset with star delta staretr out door type 10hp to 15 hp	No	0.00	0.00	5.00	15473.40	77367.00	5.00	77367.00
18	Fabricating Supplying and mounting MS Box of 16 SWG suitable for floor/ wall mounting fully weather proof with provision for better hear description, 9Providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamp with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 Sq cm	Sq-cm	0.00	0.00	110000.00	0.36	39600.00	110000.00	39600.00
	Providing & Fixing of Clamps set and Borewell cap to the pump 9MR	No	0.00	0.00	5.00	1994.81	9974.00	5.00	9974.00
	Supplying and fixing 50mm Non Return Vavle of vertical type of approved make including cost of all materials labour HOM of equipment with all leads Complete as per Specifcation	No	0.00	0.00	5.00	1994.81	9974.00	5.00	9974.00
	Supplying and fixing 50mm GM Gate Vavle	No	0.00	0.00	5.00	1994.81	9974.00	5.00	9974.00
	roviding & Fixing of 50mm GI Short bend to motor	No	0.00	0.00	5.00	242.70	1214.00	5.00	1214.00
	pplying and fixing 50mm GI Union	No	0.00	0.00	5.00	247.90	1240.00	5.00	1240.00
	pplying and fixing 50mm GI Elbow	No	0.00	0.00	5.00	116.88	584.00	5.00	584.00

Scanned by CamScanner

	Each	0.00	0.00	100.00	94.76	9476.00	100.00	9476.00
	NO	0.00	0.00	5.00	496.61	2483.00	5.00	2483.00
	NO	0.00	0.00	5.00	947.64	4738.00	5.00	4738.00
	Mtr	0.00	0.00	50.00	177.68	8884.00	50.00	8884.00
	Mtr	0.00	0.00	100.00	59.22	5922.00	100.00	5922.00
	Mtr	0.00	0.00	15.00	260.60	3909.00	15.00	3909.00
	NO	0.00	0.00	15.00	1776.82	26652.00	15.00	26652.00
	NO	0.00	0.00	5.00	284.29	1421.00	5.00	1421.00
	NO	0.00	0.00	5.00	1411.42	7057.00	5.00	7057.00
	NO	0.00	0.00	20.00	813.44	16269.00	20.00	16269.00
	NO	0.00	0.00	5.00	325.75	1629.00	5.00	1629.00
	CUM	0.00	0.00	1025.55	497.59	510303.00	1025.55	510303.00
	RMTR	0.00	0.00	2279.00	412.26	939541.00	2279.00	939541.00
	cum	0.00	0.00	820.44	134.09	110013.00	820.44	110013.00
	cum	0.00	0.00	978.15	497.59	486718.00	978.15	486718.00
	Mtr	0.00	0.00	512.00	699.29	358036.00	512.00	358036.00

25	Labour charges for laying 1.1 KV class UG cable when supplied by agencies in existing trenches GI pipe / stoneware pipes/ on pole as required.
26	Erection of combined panel board and meter unit with necessary materials and labour including providing cement concrete foundation bed cost door type etc., complete
27	Supplying and fixing miniature Circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required
28	Supplying and laying of L.T.U.G Cable having aluminium conductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 K V class 4 crore 16 sqmm cable 9Confirming to IS 1554)
29	Digging of trench of 0.6m deep x 0.5m wide refilling the trench to the required level and consolidating etc., complete
30	Supplying and fixing class A GI pipe on pole/Wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm
31	Supplying, fixing, wiring earth electrode for grounding conduits, LC cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.50m long buried in a pit. The pit should be filled with equal proportion of solt and charcoal 150mm alround the pipe to complete depth. the connection from the pipe to the conduct etc., is to be established through GI wire of size as per ISI specifications 7.3.3 IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 throught holes of 122mm dia
32	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmm UG cable filled with necessary bitumen / insulating compound complete with termiinalas, clamps, bolts, nuts, washers etc.
33	Supoplying Shunt capacitor's confirming to IS 2834, 3phase 400/440 volts grade for power factor improvement of roating machinery capacitor in KVAR rating No-s
34	Providing & Fixing Gun Metal Gate wheel valve confirming to IS Specifivation of approved make as per direction including all lead and lift etc., complete 50mm dia 9
35	Supplying and fixing of polished wood board made up not less than 15mm thick plank in both side with plank made out on not more than 2 piecess and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20x20x2.5 inches
36	Earthwork excavation for foundation of buildings water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.
37	Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure of outside diameter raising mains & exposed distribution pipes with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM and testing complete as per specifications. 63MM dia Specification
38	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m including cost of all labour complete as specifications
41	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5 m and above in width, in hard soil not exceeding 1.5m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specifications.
	Providing and laying in position to required level or slope 300mm internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints, including cost of materials, labour charges complete as per specifications. Specification

Scanned by CamScanner

43	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m including cost of all labour complete as specifications.. allow 60% of rate considered under item	cum	0.00	0.00	978.15	134.09	131160.00	978.15	131160.00
		Total							6045747.00
		TOTAL							6045747.00
		ADD 12% GST							725490.00
		NET AMOUNT PAYABLE OF RS							6771237.00

Certificate:-

1. The contractor has executed the work satisfactory Hence the bill is Recommended for payments
2. The contractor has cleared all the Debries from work spot.
3. works comes under BB&P Limit.

19/12/20

Assistant Engineer -14

Assistant Executive Engineer
T Dasarahalli Sub-Division

Scanned by CamScanner